



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
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Young-sin PARK et al.) Group Art Unit: Unassigned
)
Application No.: New Application) Examiner: Unassigned
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Filed: Herewith)
)
For: ANODE THIN FILM FOR LITHIUM)
SECONDARY BATTERY AND)
PREPARATION METHOD THEREOF)
)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

- 1) U.S. Patent No. 5,618,640
- 2) U.S. Patent No. 6,203,944
- 3) Yoshio Idota, et al., "Tin-Based Amorphous Oxide: A High Capacity Lithium-Ion Storage Material", Science, 276 (1997) 1395-1397
- 4) Mao et al., "Mechanically Alloyed Sn-Fe(-C) Powders as Anode Materials for Li-Ion Batteries", J. Electrochem. Soc., 146(2) (1999) 405-413
- 5) Beaulieu et al., "The Reaction of Lithium with Sn-Mn-C Intermetallics Prepared by mechanical Alloying", J. Electrochem. Soc., 147 (9) (2000) 3237-3241
- 6) Kepler et al., "Li_xCu₆Sn₅ (0 < x < 13): An Intermetallic Insertion Electrode for Rechargeable Lithium Batteries", Electrochem. Solid-State Lett., 2 (7) (1999) 307-309
- 7) Yang et al., "Sub-Microcrystalline Sn and Sn-SnSb Powders as Lithium Storage Materials for Lithium Ion Batteries", Electrochem. Solid-State Lett., 2 (4) (1999) 161-163

8) Yang et al. "Ultrafine Sn and $\text{SnSb}_{0.14}$ Powders for Lithium Storage Materials in Lithium-Ion Batteries", J. Electrochem. Soc., 146 (11) (1999) 4009-4013

The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

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Date: January 10, 2002

APPLICATION No.
New Application ☒ ☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT	Yang-sing PARK et al.
FILING DATE	Herewith

GROUP
Unassigned

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FOREIGN PATENT DOCUMENTS																							
Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation																		
	Number	Kind Code (if known)			Yes	no																	

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Yoshio Idota, et al., "Tin-Based Amorphous Oxide: A High Capacity Lithium-Ion Storage Material", Science, 276 (1997) 1395-1397
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Examiner
Signature

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